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wherein MgX_2 is the magnesium dihalide and $\text{R}(\text{OR}')_n$ is the electron donor, X is a halogen, R is an n-valent $\text{C}_1\text{-C}_{20}$ aliphatic group, an n-valent $\text{C}_7\text{-C}_{27}$ araliphatic group or an n-valent $\text{C}_2\text{-C}_{22}$ acyclic group, R^1 is a $\text{C}_1\text{-C}_{20}$ alkyl group or a $\text{C}_7\text{-C}_{27}$ aralkyl group, n is a number from 1 to 6 and m is defined as a number $0.5 \leq m \leq 2.0$.

β Claim 2. (Amended) The complex according to claim 1, wherein X is selected from the group consisting of Cl, Br and I.

Claim 3. (Twice Amended) The complex according to claim 1, wherein R is an n-valent $\text{C}_2\text{-C}_{22}$ acyclic group.

Claim 4. (Twice Amended) The complex according to claim 1, wherein R' is a $\text{C}_6\text{-C}_{16}$ alkyl group.

Claim 5. (Twice Amended) The complex according to claim 1, wherein n is 1 to 4.

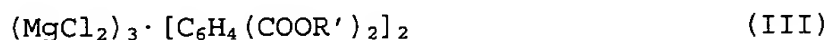
Claim 6. (Twice Amended) The complex according to claim 1, wherein m is 0.67 to 1.0

Claim 7. (Twice Amended) The complex according to claim 1, wherein Formula I is replaced with a magnesium dichloride phthalic acid ester complex having the formula (II):



wherein R' is the same as in claim 1.

B-1 Claim 8. (Twice Amended) The complex according to claim 1, wherein formula I is replaced with a magnesium dichloride phthalic acid ester complex having the formula (III):



wherein R' is the same as in claim 1.

Claim 9. (Twice Amended) The complex according to claim 1, wherein the complex has an X-ray diffraction pattern having a dominant peak at $4.5^\circ 2\theta$.

Claim 10. (Twice Amended) A process for the preparation of a complex according to claim 1, comprising reacting a magnesium compound (a) containing an alkoxy moiety, which magnesium compound is selected from the group consisting of a complex of a magnesium dihalide and a magnesium dialkoxide, a complex of a magnesium dihalide and an alcohol, and a non-complex magnesium dialkoxide, with a halogen compound (b), which is capable of forming the electron donor by replacement of its halogen by said alkoxy moiety.

Claim 11. (Amended) The process according to claim 10, wherein said halogen compound (b) is represented by the formula (IV):



wherein R is an n-valent C₁-C₂₀ aliphatic group, an n-valent C₇-C₂₇ araliphatic group or an n-valent C₂-C₂₂ acyclic group, X is a halogen and n is 1 to 6.

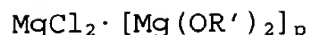
B1 Claim 12. (Amended) The process according to claim 11, wherein R is an n-valent C₂-C₂₂ acyclic group.

Claim 13. (Twice Amended) The process according to claim 11, wherein X is selected from the group consisting of Cl, Br and I.

Claim 14. (Twice Amended) The process according to claim 11, wherein n is 1 to 4.

Claim 15. (Twice Amended) The process according to claim 11, wherein said halogen compound is an organic acid halide.

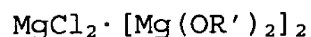
Claim 16. (Twice Amended) The process according to claim 10, wherein said complex of a magnesium dihalide and said magnesium dialkoxide are each a magnesium dichloride-magnesium dialkoxide complex of the formula (V):



(V)

wherein R' is a C₁-C₂₀ alkyl group or a C₇-C₂₇ aralkyl group, and p is 1 to 6.

Claim 17. (Amended) The process according to claim 16, wherein formula (V) is replaced with formula (VI):



(VI)

wherein R' is a C₁-C₂₀ alkyl group or a C₇-C₂₇ aralkyl group.

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Cont Claim 18. (Amended) The process according to claim 16, wherein said magnesium dichloride magnesium dialkoxide complex is prepared by reacting magnesium dichloride with an alcohol into an intermediate which is a magnesium dichloride alcohol complex $\text{MgCl}_2 \cdot (\text{R}'\text{OH})_{2p}$, wherein R' is the same as in claim 16, and reacting the magnesium dichloride alcohol complex with p mol of a magnesium dialkyl MgR''_2 , wherein R'' is a hydrocarbyl group having 1 to 20 carbon atoms.

Claim 19. (Amended) The process according to claim 18, wherein independently, the molar ratio $\text{MgCl}_2:\text{R}'\text{OH}$ is between 1:1 and 1:8, the molar ratio $\text{MgCl}_2 \cdot (\text{R}'\text{OH})_{2p}:\text{MgR}''_2$ is between 1:1 and 1:4, the temperature is between 80 °C and 160 °C, and the reaction time is about 2 h to about 8 h.

Claim 20. (Twice Amended) The process according to claim 15, wherein said magnesium compound (a) is reacted with said halogen compound (b), wherein compound (b) is phthalic acid dichloride $\text{Ph}(\text{COCl})_2$, wherein Ph is o-phenylene, and compound (a) is magnesium dichloride-dimagnesium dialkoxide complex $\text{MgCl}_2 \cdot [\text{Mg}(\text{OR}')_2]_2$, wherein R' is a C_6 - C_{16} alkyl group.

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Claim 21. (Twice Amended) The process according to claim 10, wherein said non-complex magnesium dialkoxide has the formula (VII):



wherein R' is a C_1 - C_{20} alkyl group or a C_7 - C_{27} aralkyl group.

Claim 22. (Amended) The process according to claim 21, wherein said non-complex magnesium dialkoxide is prepared by reacting a magnesium dialkyl represented by the formula MgR''_2 , wherein R'' is a hydrocarbyl group having 1 to 20 carbon atoms, with an alcohol represented by the formula $\text{R}'\text{OH}$ wherein R' is the same as as in claim 21.

Claim 23. (Twice Amended) The process according to claim 15, wherein said magnesium compound (a) which is a non-complex magnesium dialkoxide represented by the formula $\text{Mg}(\text{OR}')_2$, wherein

R' is a C₁-C₂₀ alkyl or a C₇-C₂₇ aralkyl is reacted with said halogen compound (b) which is a phthalic acid dichloride Ph(COCl)₂, wherein Ph is o-phenylene.

Claim 24. (Twice Amended) The process according to claim 10, wherein said complex of a magnesium dihalide and a magnesium dialkoxide is a complex of a magnesium dichloride and an alcohol having the formula (VIII):



wherein R' is a C₁-C₂₀ alkyl or a C₇-C₂₇ aralkyl group, and q is from 1 to 6.

Claim 25. (Amended) The process according to claim 24, wherein said complex of a magnesium dihalide and an alcohol is prepared by reacting magnesium dichloride MgCl₂ and an alcohol R'OH, wherein R' is the same as as in claim 24.

Claim 26. (Twice Amended) The process according to claim 24, wherein the reaction temperature is kept between 10 °C and 100 °C, and the reaction time is about from 10 to about 90 min.

Claim 27. (Twice Amended) The process according to claim 15, wherein said magnesium compound (a), which is said complex of a magnesium dihalide and an alcohol having the formula MgCl₂ · (R'OH)_q,

wherein R' is a C₁-C₂₀ alkyl or a C₇-C₂₇ aralkyl and q is from 1 to 6, is reacted with said halogen compound (b) which is said phthalic acid dichloride Ph(COCl)₂, wherein Ph is o-phenylene.

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Claim 28. (Twice Amended) The process according to claim 10, wherein said magnesium compound (a) and said halogen compound (b) are reacted stoichiometrically.
